

DA-E660
DA-E661

Wireless Audio with Dock

user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more a complete service,
please register your product at
www.samsung.com/register



features

Galaxy Docking Audio Speaker System

Using the system's docking station, dock, charge, and then play any Samsung Galaxy devices through the system's built-in speakers.

USB Host support

Connect and play music files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Wireless Audio with Dock's USB HOST function.

Bluetooth Function

Connect a Bluetooth device to the Wireless Audio with Dock and enjoy music from the device with high quality stereo sound, all without wires!

aptX®

aptX enables high quality Bluetooth stereo audio, delivering wired audio quality wirelessly.

safety information

SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

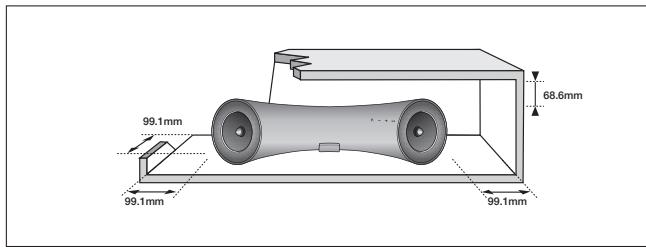
CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

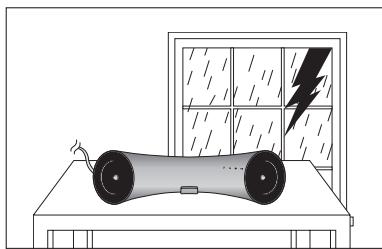
CAUTION

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

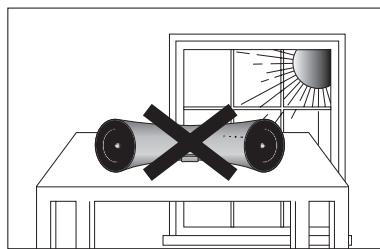
PRECAUTIONS



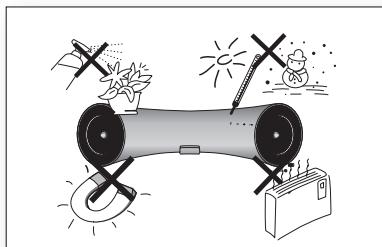
Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the back of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (70~100 mm). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use. To fully turn off the unit, disconnect the AC plug from the wall outlet. Unplug the unit if you intend to leave it unused for a long period of time.



During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the unit.

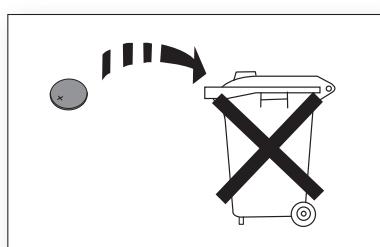


Do not expose the unit to direct sunlight or other heat sources. This could cause the unit to overheat and malfunction.



Protect the product from moisture (i.e. vases), and excess heat (e.g. fireplaces) or equipment creating strong magnetic or electric fields. Disconnect the power cable from the AC supply if the unit malfunctions. Your product is not intended for industrial use. This product is for personal use only.

Condensation may occur if your product has been stored in cold temperatures. If transporting the unit during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

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getting started

BEFORE READING THE USER'S MANUAL

Note the following terms before reading the user manual.

Icons used in this manual

Icon	Term	Definition
	Caution	Indicates a situation where a function does not operate or settings may be canceled.
	Note	Indicates tips or instructions on the page that help a function operate.

Safety Instructions and Troubleshooting

- 1) Familiarise yourself with the Safety Instructions before using this product. (See page 3)
- 2) If a problem occurs, check Troubleshooting. (See page 24)

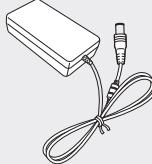
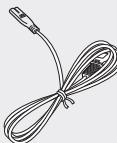
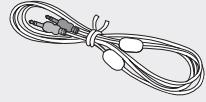
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WHAT'S INCLUDED

Check for the supplied accessories shown below.

			
Remote Control / Lithium Battery (3V)	DC Adapter	Power Cable	Audio Cable
(Rubber-Support: 2EA) (Rubber-Skin)	(Large) (For Power Cable 1EA)		
Rubber-Support / Rubber-Skin	Ferrite Core	Cloth	User Manual

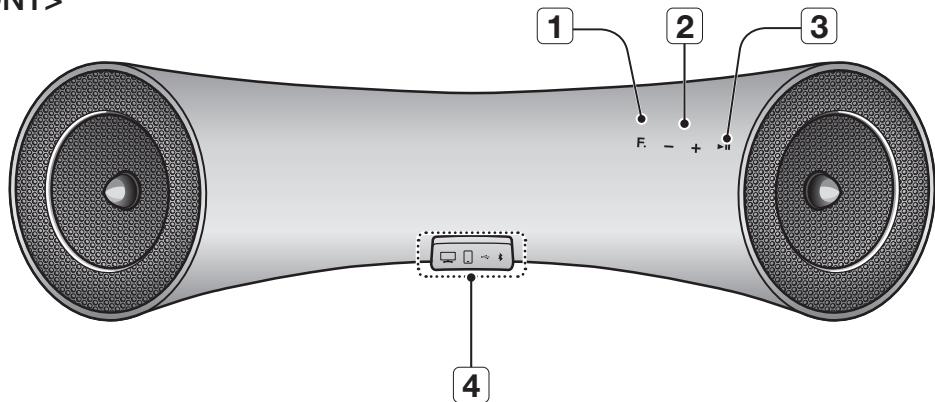


- The appearance of the accessories may differ slightly from the illustrations above.

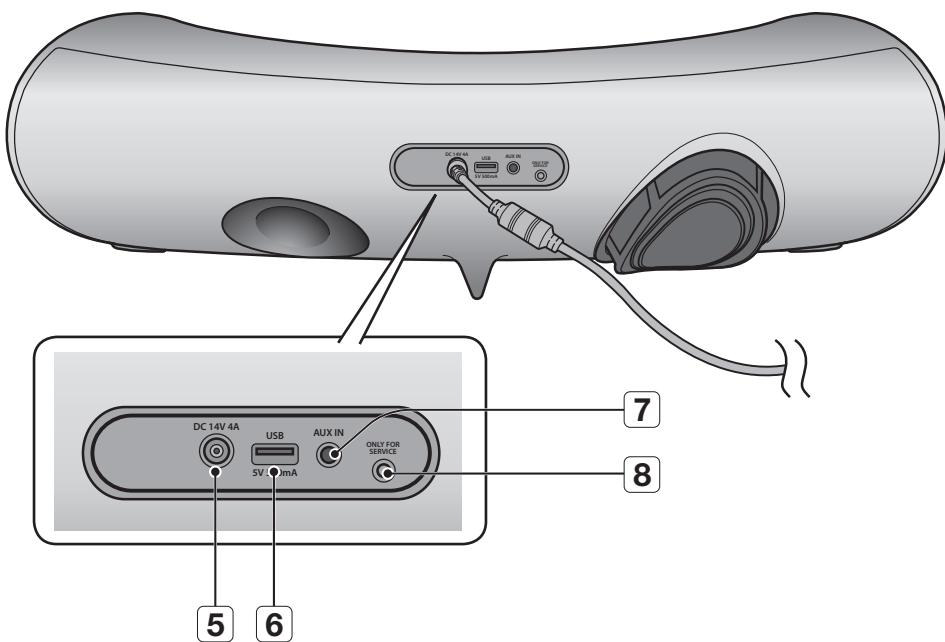
descriptions

FRONT/REAR PANEL

<FRONT>



<REAR>



1	FUNCTION	Switches the mode as follows :  → AUX (LED Off)
2	VOLUME -/+	Controls the volume level.
3	PLAY/PAUSE	Play or pause a music file.
4	GALAXY DOCK	Provides a 5-pin dock for Samsung Galaxy devices and a 30-pin dock for Samsung Galaxy Tab devices. When you change the mode with the Function button, the selected mode will be displayed in red on the Function Display. The LED stops blinking when the power of the unit turns on.
5	DC 14V	Connect the unit's DC adapter to this jack.
6	USB PORT	Connect an external USB storage device such as an MP3 player here to play files located on the device.
7	AUX IN	Connect to the Analog output of an external device.
8	ONLY FOR SERVICE	This jack is for service only.



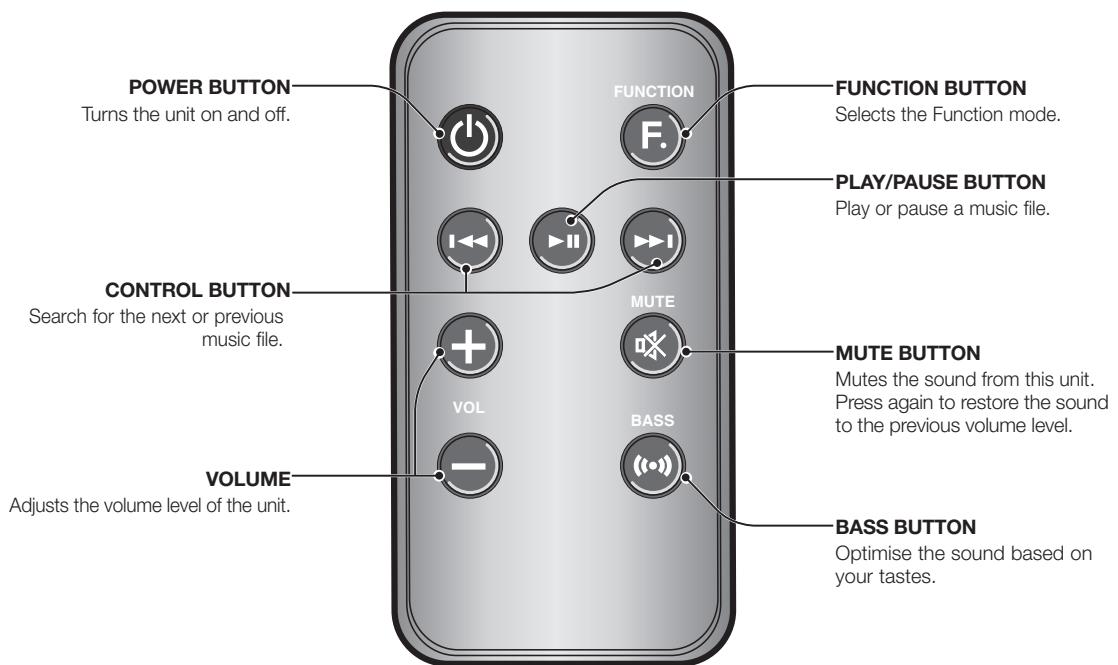
- When you turn on this unit, there will be a 4 to 5 second delay before it produces sound.
- To update the product's software via USB port, it is required to use a USB memory device.



- This unit can connect to mobile devices with high audio output levels. When you connect this unit to external devices with high output levels, it may lower the audio output to protect the amp and speakers.
- When disconnecting the power cable from the wall outlet, hold the plug.
Do not pull the cable.

remote control

TOUR OF THE REMOTE CONTROL



Installing battery in the Remote Control



1. Open the cover of the remote control by putting your fingernail into the gap between the cover and body of the remote control. Then, lift the cover and separate it completely.
2. Install a 3V Lithium battery. Insert the battery into the battery compartment with the + side facing up.
3. Fit the remote control's cover to the remote control. Next, lower the cover so that it is flush with the body of the remote, and then press the cover into the body by pushing the edges down with your hand.



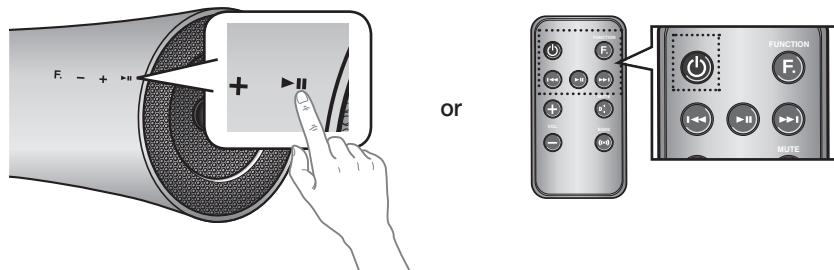
- Be careful not to catch your fingernail in the gap when you lift the cover. You can damage your fingernail.

Operation Range of the Remote Control

You can use the remote control up to 7 meters (23 feet) in a straight line from the unit. You can also operate the remote at a horizontal angle of up to 30° from the remote control sensor.

power on and volume control

TURNING THE POWER ON/OFF



1. To turn on this unit, touch any button on the unit's front panel when the unit is in Standby mode.

or,

Press **POWER** on the remote control.

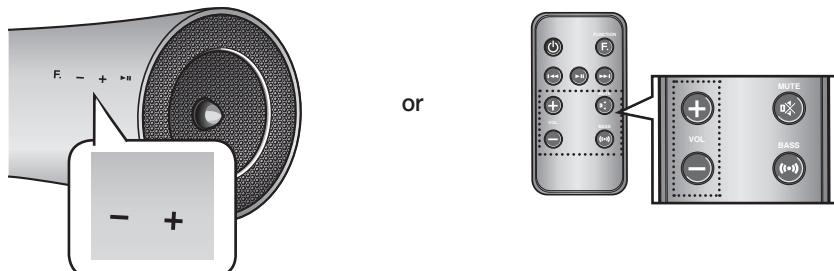
2. To turn off this unit, touch the **▶II** button on the unit's front panel for more than 3 seconds.

or,

Press **POWER** on the remote control again.

ADJUSTING THE VOLUME

Use **+-** buttons to adjust the volume. The function LEDs light from left to right when you turn the volume up and from right to left when you turn the volume down. The LEDs do not light if you try to increase the volume when it has already been set to maximum or try to decrease the volume when it has already been set to minimum.



Touch the **+/**- button on the right side of the front panel.

or,

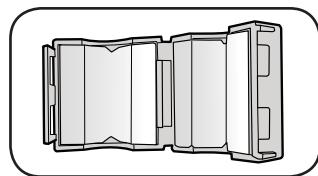
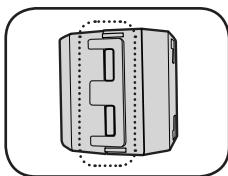
Press **VOL +/-** on the remote control.



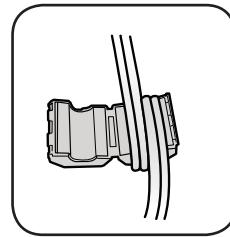
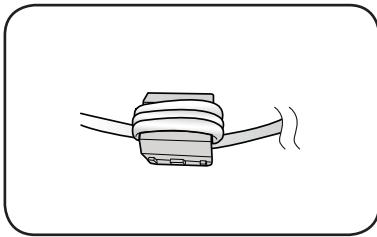
- The volume level increases or decreases when you press **VOL +/-**.
- You can also use the volume controls of devices connected using the Galaxy Dock or Bluetooth to control the volume. However, your ability to control the volume using the volume controls of devices connected using Bluetooth may be limited.

connections

INSTALLING THE TOROIDAL FERRITE ON THE POWER CABLE



Lift up to release the lock and open the core.



Wind Power cable around the core three times.
(Start winding at 5-10cm away from the plugs)

Close the lock back.

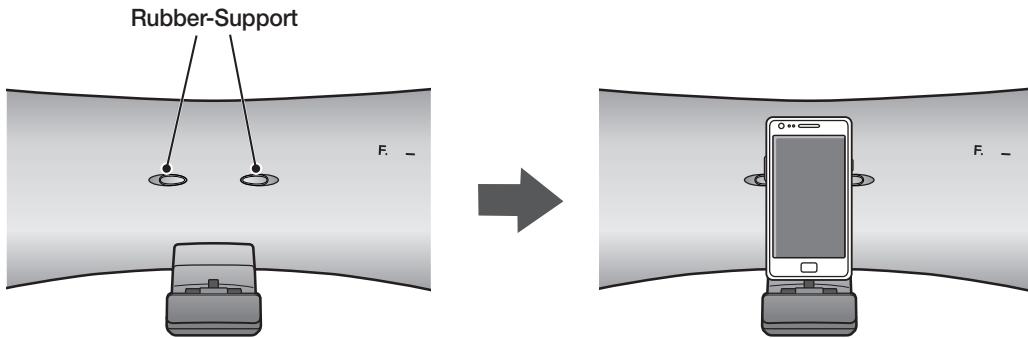
USING RUBBER

Attach the Rubber to avoid direct contact with this set when you hold Samsung Galaxy Device and Galaxy Tab Device.

RUBBER-SUPPORT

1. Attach the Rubber to the proper place considering the size of the device which you want to use.

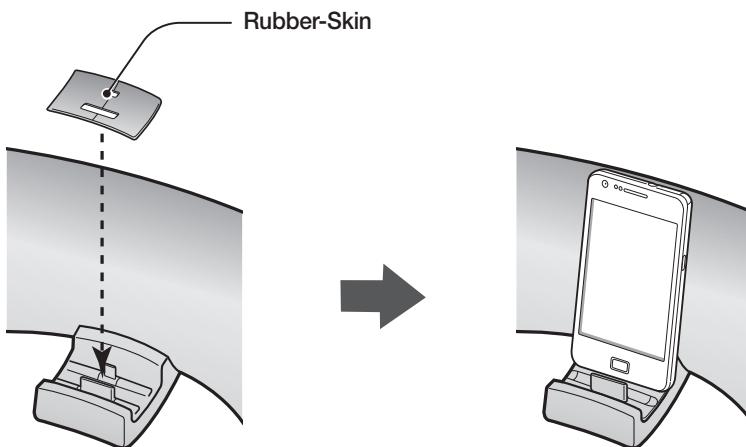
2. After attaching the Rubber-Support, dock your device on the Galaxy dock.



RUBBER-SKIN

1. Cover the Rubber-Skin on the Galaxy dock.

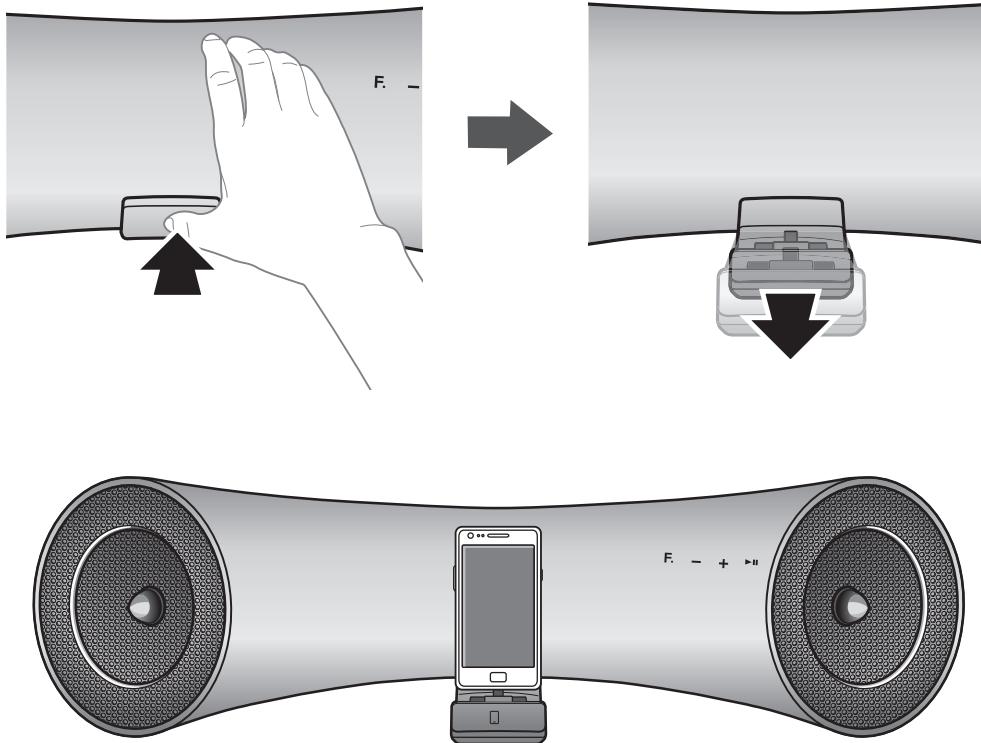
2. After covering the Rubber-Skin on the Galaxy dock, dock your device on the Galaxy dock.



- Use the product after removing the Rubber-Skin attached to the product if you have the protection case for your device.
- You can use this product only when the thickness of the protection case is under 1.5mm when you attach the Spacer cover to your device. It is impossible to use this product when the thickness of the protection case is over 1.5mm or has special shape with round.

CONNECTING A DEVICE TO THE GALAXY DOCK

How to connect a device to the Galaxy Dock.



1. The **GALAXY DOCK** is located on the front of the product. To open, push it in gently.

2. Touch the **F.** button on the front panel of the Wireless Audio with Dock repeatedly until the **[]** icon appears in the display.

- Each time you press the button, the selection changes as follows : **[]** → **[]** → **[]** → **[]** → **[]** → **AUX (LED Off)**
- The selected mode is displayed in red in the Function Display.

3. If you have a Samsung Galaxy Phone device, connect the device to the 5 pin (smaller) connector to connect to the Galaxy Dock. If you have a Samsung Galaxy Tab Device, connect the device to the 30 pin (larger) connector on the Galaxy Dock.

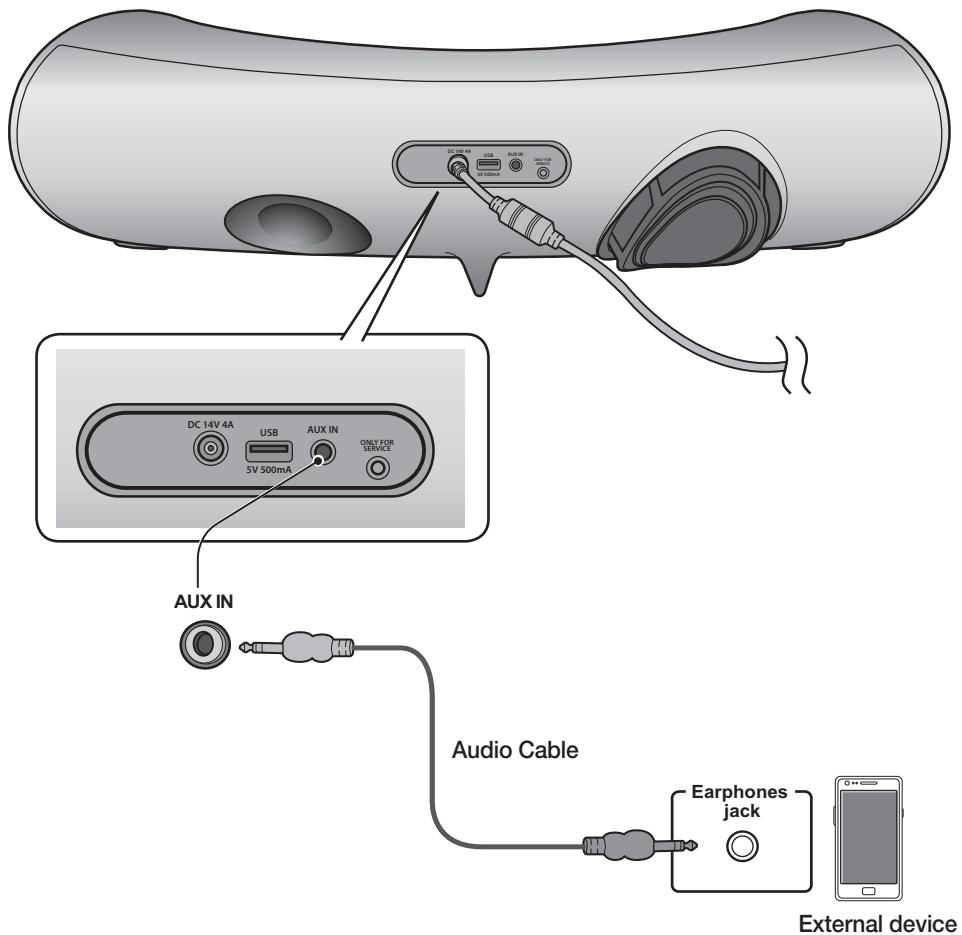


- Turn on your Samsung Galaxy device before you docking it to the Galaxy Dock.
- This unit doesn't support the simultaneous docking of Samsung Galaxy Phone and Samsung Galaxy Tab Device.
- Connect your Samsung Galaxy device to the Galaxy Dock before starting Docking mode.
(See page 18)

CONNECTING AN AUDIO DEVICE USING AUX IN

This section explains how to connect the unit to an audio device.

This unit is equipped with one audio analog jack for connecting an audio device.



AUX IN

1. Connect AUX IN (Audio) on the back of the unit to the earphone jack of the external device or audio device.
2. Touch the **F.** button repeatedly until the function LEDs are off.
 - The AUX mode is active when no function LED is lit.



- Before moving or installing this product, be sure to turn off the power and disconnect the power cord.

BLUETOOTH

You can connect the Wireless Audio with Dock to Bluetooth devices and enjoy music with high quality stereo sound, all without wires!

What is Bluetooth?

Bluetooth technology lets Bluetooth-compliant devices interconnect easily with each other using a short wireless connection.

- A Bluetooth device may cause noise or malfunction, depending on usage, when:
 - A part of your body is in contact with the receiving/transmitting system of the Bluetooth device or the Wireless Audio with Dock.
 - It is subject to electrical variation from obstructions caused by a wall, corner, or by office partitioning.
 - It is exposed to electrical interference from same frequency-band devices including medical equipment, microwave ovens, and wireless LANs.
- Keep the Wireless Audio with Dock and the Bluetooth device close together when pairing.
- The further the distance between the Wireless Audio with Dock and Bluetooth device, the worse the quality. If the distance exceeds the Bluetooth operational range, the connection is lost.
- In poor reception-sensitivity areas, the Bluetooth connection may not work properly.
- The Bluetooth connection only works when the Bluetooth device is close to the set. The connection is automatically cut off if the Bluetooth device moves out of range. Even within range, the sound quality may be degraded by obstacles such as walls or doors.
- This wireless device may cause electric interference during its operation.

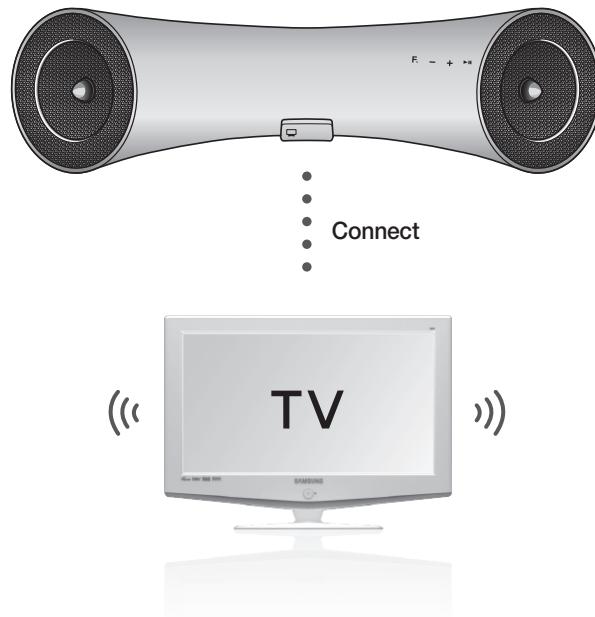


- You may be required to enter a PIN code (password) when connecting the Bluetooth device to the Wireless Audio with Dock. If the PIN code input window appears, enter <0000>.
- The Wireless Audio with Dock supports SBC data (44.1kHz, 48kHz).
- The AVRCP feature is not supported.
- Connect only to a Bluetooth device that supports the A2DP (AV) function.
- You cannot connect to a Bluetooth device that supports only the HF (Hands Free) function.
- Only one Bluetooth device can be paired at a time.
- Once you have turned off the Wireless Audio with Dock and the pairing is disconnected, the pairing will not be restored automatically. To reconnect, you must pair the device again.
- The Wireless Audio with Dock may not search or connect properly in the following cases:
 - If there is a strong electrical field around the Wireless Audio with Dock.
 - If several Bluetooth devices are simultaneously paired to the Wireless Audio with Dock.
 - If the Bluetooth device is turned off, not in place, or malfunctions
 - Note that such devices as microwave ovens, wireless LAN adaptors, fluorescent lights, and gas stoves use the same frequency range as the Bluetooth device, which can cause electric interference.

CONNECTING TO BLUETOOTH DEVICES

This section explains how to connect the Wireless Audio with Dock to Bluetooth compatible TVs and other Bluetooth devices.

To connect the Wireless Audio with Dock to a Bluetooth compatible 2012 Samsung TV (SoundShare)



<To pair to your TV>

To produce TV sound on your Wireless Audio with Dock via Bluetooth connection, you need to pair your system to the Bluetooth compliant TV first. Once the pairing is established, the pairing information is recorded and kept and no further Bluetooth connection message will appear from the next time. Keep the Wireless Audio with Dock and the TV close together before pairing. (It is recommended to pair devices within 1 meter.)

1. Turn on the Samsung TV and Wireless Audio with Dock.

- Set "Add New Device" menu to "On" in the TV. (For more information, refer to the user's guide of TV)
Menu → System → Device Manager → SoundShare Settings → Add New Device.

2. When you change the mode of Wireless Audio with Dock to , a message asking whether to proceed with Bluetooth pairing appears. Select <Yes> on the TV screen, then the pairing with the Wireless Audio with Dock will be completed.

- The  indicator blinks, and stops blinking.
- The Wireless Audio with Dock Bluetooth pairing is complete.

<To cancel pairing to your TV>

If you want to pair your Wireless Audio with Dock to a TV other than the connected TV, you should cancel the existing pairing in the Wireless Audio with Dock. It is possible to cancel the pairing in the way below.

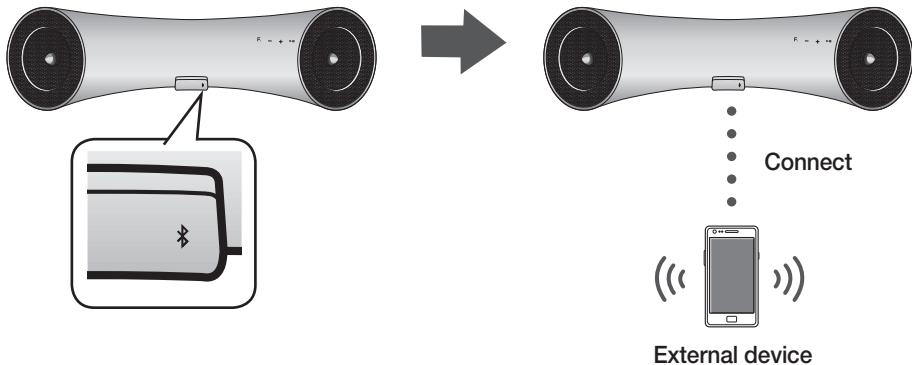
The  LED will blink once when you press the **Play/Pause** key on the remote control for 5 seconds in  mode. This unit will automatically pair to a TV once you cancel the existing pairing and the new TV is ready for connection.



- If the TV cannot be connected, please try to reconnect it after pressing the Play/Pause Key on the remote control for 5 seconds in the Bluetooth  mode.
- You should update TV software to the latest version to operate TV pairing (SoundShare) function.
- Check the instructions for updating and applicable models from the support page on website (<http://www.samsung.com>) or contact the call centre.

To connect the Wireless Audio with Dock to a Bluetooth device

Before you begin, confirm that your Bluetooth device supports the Bluetooth compliant stereo headset function.



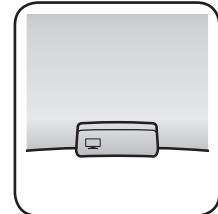
1. Touch the **F** button on the front panel of the Wireless Audio with Dock repeatedly until the Bluetooth icon appears in the display.
 - Each time you press the button, the selection changes as follows : $\square \rightarrow \square \rightarrow \leftarrow \rightarrow \text{Bluetooth} \rightarrow \text{AUX (LED Off)}$
 - The selected mode is displayed in red in the Function Display.
2. Select the Bluetooth menu on your Bluetooth device.
(Refer to the Bluetooth device's user manual for instructions.)
3. Scan or search for All Devices or for Headsets.
 - You will see a list of devices.
4. Select "[Samsung]W_Audio XXXXXX" from the searched list.
 - If the Bluetooth device fails to pair with the Wireless Audio with Dock, delete the "[Samsung]W_Audio XXXXXX" found by the Bluetooth device, and search for the Wireless Audio with Dock again, and then repeat Steps 2, 3, and 4.

playing

USING THE TV MODE (SoundShare)

Touch the **F.** button to select the  mode, and then connect the TV to the Wireless Audio with Dock. (See page 16)

- The unit will play the TV's audio when it is connected to the TV.
- If you change the Wireless Audio with Dock's Bluetooth input source or turn it off, you will hear audio from the TV again.



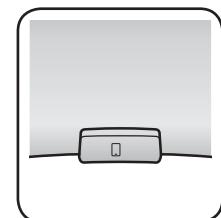
- You can control the volume only with the Wireless Audio with Dock.

USING THE DOCKING MODE WITH SAMSUNG GALAXY DEVICES

Touch the **F.** button to select the  mode, and then connect the Samsung Galaxy device to the Galaxy Dock. (See page 13)

<Samsung Galaxy Devices>

To use your Samsung Galaxy series device with the Galaxy Dock, you must download and install the Docking Mode application from the Android Market on the device. To download, follow these steps:



1. Tap the Play Store (Android Market) icon on the Samsung Galaxy device's main screen.
2. Tap the search icon on the screen to access the search bar.
3. In the search bar, type in the **[Samsung Wireless Audio Dock]**, and then search.
4. In the search result list, find, and then tap **[Samsung Wireless Audio Dock]** to start downloading.
5. Tap **[install]**.

To play music, follow these steps:



- 1-1. If you start the app when the Wireless Audio with Dock is the only device for the Bluetooth connection, selecting PLAY in your device automatically establishes the Bluetooth connection to the Wireless Audio with Dock and the unit plays music.
- 1-2. If there are multiple devices for Bluetooth connection including the Wireless Audio with Dock,
 - 1) When you start the app, the list of the devices which you can connect to the Wireless Audio with Dock will appear.
 - 2) Play music after connecting to the Wireless Audio with Dock by selecting it on the list of devices.
 - If there exists a Bluetooth device paired to the Wireless Audio with Dock before, it will not appear in the list and be connected automatically.
2. If you replace the Wireless Audio with Dock which you have paired to your mobile device, you should delete the remaining settings saved in your device before pairing to the new one.
 -  → **[Clear data]**.



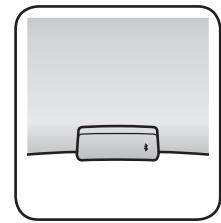
- Once you started the application, running is not disturbed by charging your mobile device with an ordinary charger.
- When you connect other device to the Wireless Audio with Dock after connecting Samsung Galaxy device in docking mode, you may have to turn off the Bluetooth mode of the Samsung Galaxy device.
- If you have trouble with connecting the Samsung Galaxy device to the Galaxy Dock, turn off the device's Bluetooth mode.

USING THE BLUETOOTH MODE

Touch the **F** button to select the Bluetooth mode, and then connect the Bluetooth device to the Wireless Audio with Dock. (See page 17)

To connect your Bluetooth device when the Wireless Audio with Dock is in Bluetooth mode, search for the Wireless Audio with Dock on the device's Bluetooth list. Select the Wireless Audio with Dock, and then connect. Once the Wireless Audio with Dock has connected, select and play the desired music.

The music will play through the Wireless Audio with Dock's speakers.



- If you want to change the device which is connected through Bluetooth mode to other device, disconnect the existing device and try to connect to the other device which you want to use.
- While in Bluetooth communication, Play/Pause/Next/Back operations may not be available depending on used mobile device and application.
- Operating Bluetooth device paired to the Wireless Audio with Dock may cause stuttering if operated while the Wireless Audio with Dock is playing back from AUX input.

To disconnect the Bluetooth device from the Wireless Audio with Dock

You can cancel Bluetooth pairing from the Wireless Audio with Dock. For instructions, see the Bluetooth device's user manual.

- The Wireless Audio with Dock will be disconnected.

To disconnect the Wireless Audio with Dock from the Bluetooth device

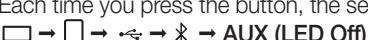
Touch the **F** button on the top panel of the Wireless Audio with Dock to switch from Bluetooth to another mode or press the Power button on the remote to turn the Wireless Audio with Dock off.

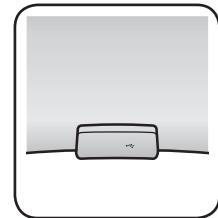
- The currently connected device will be disconnected.



- The Bluetooth connection only works when the Bluetooth device is close to the set. The connection is automatically cut off if the Bluetooth device moves out of range. Even within range, the sound quality may be degraded by obstacles such as walls or doors.
- If the Bluetooth device comes back into the effective range, you can restart to restore the pairing with the Bluetooth device.

USING THE USB MODE

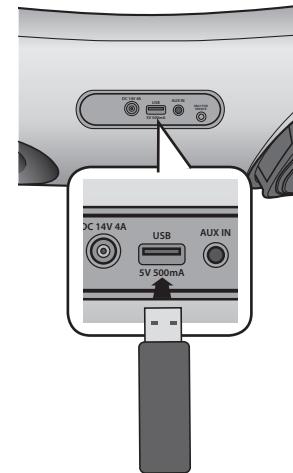
1. Connect the USB device to the USB port on the back of the unit.
2. Touch the **F.** button on the front panel of the Wireless Audio with Dock repeatedly until the  icon appears in the display.
 - Each time you press the button, the selection changes as follows :
 →  →  →  → **AUX (LED Off)**
 - The selected mode is displayed in red in the Function Display.



Before you connect a USB device

Read the list below to check compatibility.

- This product may not be compatible with certain types of USB storage media.
- The FAT16 and FAT32 file systems are supported.
 - The NTFS file system is not supported.
- Connect a USB device directly to the USB port of the product. Otherwise, you may encounter a USB compatibility problem.
- Do not connect multiple storage devices to the product via a multi-card reader. It may not operate properly.
- Digital camera PTP protocols are not supported.
- Do not remove the USB device while it is being read.
- DRM-protected music files (MP3, WMA) from a commercial web site can not be played.
- External HDDs are not supported.
- Compatibility list

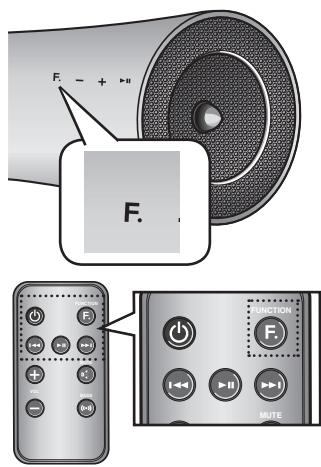


Format	Music	
File name	MP3	WMA
File extension	.MP3	.WMA
Bit rate	80~320 kbps	56~128 kbps
Version	-	V8
Sampling Frequency	44.1KHz	44.1KHz

※ Do not connect your mobile device to the USB port and the Docking station at the same time for recharging.

functions

BASIC FUNCTIONS

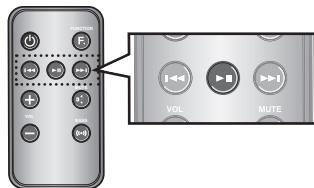


Using the input mode

You can select the following inputs: → → → → **AUX (LED Off)**.
Press an appropriate button on the remote control to select a desired mode, or press **F.** to select from: → → → → **AUX (LED Off)**.

Input mode	Display
TV mode	
Docking mode	
USB mode	
BLUETOOTH mode	
AUX input	LED Off

ADVANCED FUNCTIONS



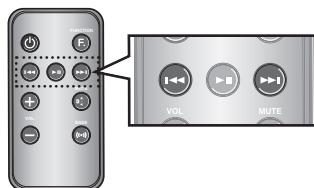
Play/Pause

During playback, press the **▶||** button.

- Press the **▶||** button to stop playing the file temporarily.
Press the **▶||** button again to play the selected file.



■ This function may not operate in certain mode.



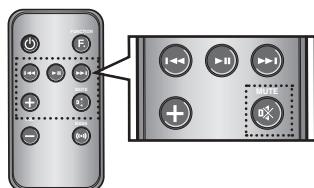
Skip Forward/Back

During playback, press the **◀◀, ▶▶** button.

- When there is more than one file and you press the **▶▶** button, the next file is selected.
- When there is more than one file and you press the **◀◀** button, the previous file is selected.



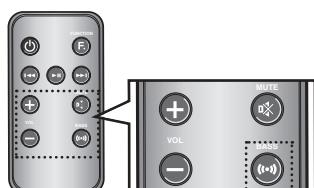
■ This function may not operate in certain mode.



Muting the sound

This is useful when answering a doorbell or telephone call.

1. To mute sound of this unit, press the **MUTE** (🔇) button of the remote control.
2. Press **MUTE** (🔇) on the remote control again (or press **VOLUME +/-**) to restore the sound.



Using the BASS function

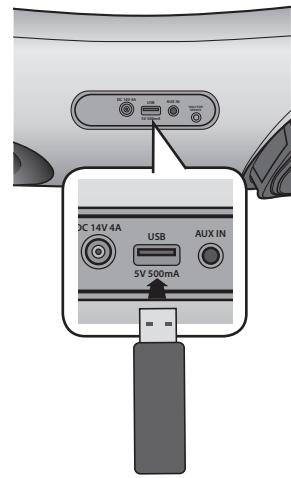
Lets you optimise the bass sound according to your tastes.

Press **BASS** on the remote control of this unit.

- Each time the button is pressed, the selection changes as follows :
BASS ON → **OFF**

SOFTWARE UPGRADE (ONLY USB MODE)

1. Visit www.samsung.com.
2. Click **SUPPORT** on the top right of the page.
3. Enter the product's model number into the search field, and then click **Find Product**.
4. Click **Get downloads** in the Center of the page below the Downloads header.
5. Click **Firmware** in the Center of the page.
6. Click **ZIP** file icon of the upgrade file.
7. Once popup window appears, click **OK** and continue to download and save upgrade file onto your PC.
8. Uncompress downloaded .zip file into a certain folder of your PC.
9. Copy all files in the folder to the USB flash drive's root directory.
 - Upgrading allows only one file set for upgrading at a time.
10. Touch the **F.** button on the front panel of the Wireless Audio with Dock repeatedly until the  icon appears in the display. Insert the USB drive into the USB port on the back panel of the unit.
11. The LED will blink during the Software update process. The product will turn off automatically after completing the firmware upgrade.
 - It may take longer depending on the functions to upgrade. (Maximum 10 minutes)
 - Turn on the product again.



- Do not disconnect the power or remove the USB drive while an upgrade is being applied. The main unit will turn off automatically after completing the firmware upgrade.
- When software is upgraded, settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.
- If the firmware fails to upgrade, we recommend formatting the USB drive in the FAT16 format and then trying again.
- For upgrading purposes, do not format the USB drive in NTFS format. It is not a supported file system.
- Depending on the manufacturer, the USB may not be supported.
- Disconnect the Wireless Audio with Dock from the Internet and any external devices before you upgrade the software.
- You cannot charge other external devices through this USB port.
- Refer to the Upgrade Guide from the website.

troubleshooting

Before requesting service, please check the following.

Symptom	Check	Remedy
The unit will not turn on.	<ul style="list-style-type: none">• Is the power cord plugged into the outlet?	<ul style="list-style-type: none">• Connect the power plug to the outlet.
A function does not work when the button is pressed.	<ul style="list-style-type: none">• Has the Wireless Audio with Dock or the remote been exposed to static electricity?	<ul style="list-style-type: none">• Disconnect the power plug and connect it again.
Sound is not produced.	<ul style="list-style-type: none">• Is the unit properly connected to device?• Is the Mute function on?• Is the volume set to minimum?	<ul style="list-style-type: none">• Connect it correctly.• Press the Mute button to cancel the function.• Adjust the volume.
The remote control does not work.	<ul style="list-style-type: none">• Are the batteries drained?• Is the distance between remote control and main unit too far?	<ul style="list-style-type: none">• Replace with new batteries.• Operate closer to the main unit.
The SoundShare (TV pairing) failed.	<ul style="list-style-type: none">• Is your TV a supporting model?• Is your TV firmware the latest version?• Does an error occur in connection?	<ul style="list-style-type: none">• Check whether your TV is a supporting model or not. (http://www.samsung.com)• Update your TV with the latest firmware.• Reset the unit. Press Play/Pause Button for 5 seconds on the remote control.• Contact the call centre.

appendix

SPECIFICATIONS

Model name DA-E660/DA-E661

GENERAL	Weight	3.2 kg
	Dimensions (W x D x H)	630.8 x 192.3 x 162.9 mm
	Operating temperature range	+5°C~+35°C
	Operating humidity range	10 % to 75 %
AMPLIFIER	Rated output power	40W, 4OHM, THD = 10%, 1kHz
	Input sensitivity/Impedance	800mV/56Kohm
	S/N ratio (analog input)	65 dB
	Separation(1kHz)	65 dB
FREQUENCY RESPONSE	Analog input	20Hz~20kHz(±3 dB)
	Digital input/48kHz PCM	20Hz~20kHz(±3 dB)
DOCKING RATING	Galaxy Tab	5 V 2.0 A
	Galaxy	5 V 1.0 A
USB	Type A	USB 1.1
	DC output	500mA

* S/N ratio, distortion, separation, and usable sensitivity are based on measurement using AES (Audio Engineering Society) guidelines.

* Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- For the power supply and Power Consumption, refer to the label attached to the product.

Open Source Announcement

To send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com).

- This product uses some software programs which are distributed under the Independent JPEG Group.

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